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### Claims

In accordance with 37 CFR § 1.121, Applicants submit the following complete listing of all pending claims with markings for the currently amended claims.

#### Listing of the Claims:

1. (Currently Amended) A hazardous area warning system for warning personnel of an attendant hazard when they may enter into hazardous areas, said system comprising:

a receiver for receiving a directional signal indicating proximity of a hazard, and including circuitry that indicates a level of the received directional signal in a plurality of different directions;

means for determining based on the indicated levels of the received directional signal in the plurality of different directions whether a received signal indicates proximity to an attendant hazard;

and

means for transmitting in response to a determination that the received signal indicates proximity to an attendant hazard an indication signal indicating that ~~of whether~~ a person wearing said ~~directional receiving means~~ receiver is in a hazardous area.

2. (Original) A system as in claim 1, wherein said receiver comprises:

x-axis receiving means directed along a x-axis and receiving a signal from a hazard zone transmitter;

y-axis receiving means directed along a y-axis and receiving a signal from said hazardous zone transmitter;

z-axis receiving means directed along a z-axis and receiving a signal from said hazardous zone

transmitter, the x-, y-, and z-axes generally being mutually perpendicular to each other; and

means for combining received signals from said x-axis receiving means, said y-axis receiving means and z-axis receiving means.

3. (Original) A system as in claim 2, wherein each of said x-axis receiving means, said y-axis receiving means, and said z-axis receiving means comprises:

an antenna directed along a respective axis;

an amplifier receiving signal from said antenna;

a filter filtering an output from said amplifier; and

a detector detecting the output of said filter to determine whether a signal is present in said output.

4. (Original) A system as in claim 3, wherein said antenna is a ferrite rod wrapped in wire.

5. (Original) A system as in claim 3, wherein said determining means comprises a comparator, said comparator determining whether an output of said combining means indicates that said directional receiving means is closer than a first distance to said transmitter.

6. (Original) A system as in claim 5, wherein said comparator further determines whether said receiver is closer than a second distance to said transmitter.

7. (Original) A system as in claim 6, wherein said determining means further includes a caution output linked to a first output of a decoder, a danger output connected to a second output of said decoder and an encoder connected to said first output and said second output.

8. (Original) A system as in claim 7, wherein when said comparator determines said receiver is within said first distance, said comparator places an output signal on said caution output; and when said comparator determines said receiver is within said second distance, said comparator places an output signal on said danger output.

9. (Original) A system as in claim 8, wherein said encoder encodes any outputs placed on said caution output and said danger output.

10. (Original) A system as in claim 7, wherein said danger output comprises vibrating means for providing personnel with a tactile indication of danger.

11. (Original) A system as in claim 1, further comprising a data link receiver, said data link receiver comprising data receiver means receiving a signal from said transmitting means; decoder means decoding said received signal; driver means driving a plurality of outputs responsive to said decoder means; and indicator means indicating a safety state responsive to said driver means.

12. (Original) A system as in claim 11, wherein said indicator means includes a yellow light, a red light and a green light.

13. (Original) A system as in claim 12, wherein said yellow light, red light and green light are LEDs and, said indicator means further includes a green status link LED.

14. (Original) A system as in claim 13, further comprising means for disabling a system being monitored.

15. (Original) A system as in claim 13, further comprising a first data logger logging danger situation occurrences; and a second data logger logging caution condition occurrences.

16. (Original) A system as in claim 1, further comprising a warning transmitter, said warning transmitter including an antenna, said antenna being a ferrite rod wrapped in a loop of wire.

17. (Original) A system as in claim 16, wherein said warning transmitter further comprises an oscillator driving a resonant frequency; a buffer amplifier buffering said resonant frequency from said oscillator; and an antenna driver driving said resonant frequency onto said antenna.

18. (Currently Amended) A non-directional proximity receiver comprising:

a x-axis receiver having an antenna directed in a first direction;

a y-axis receiver having an antenna directed in a second direction, said second direction being perpendicular to said first direction;

a z-axis receiver having an antenna directed in a third direction, said third direction being perpendicular to the plane of said first direction and said second direction;

an adder combining signals from said x-axis receiver, said y-axis receiver and said z-axis receiver;

a comparator determining whether a received signal indicates an attendant hazard;

an encoder encoding said indication of an attendant hazard in response to a determination that the received signal indicates an attendant hazard; and

a transmitter transmitting said encoded indication.

19. (Original) A proximity receiver as in claim 18, wherein each of said x-axis receiver, said y-axis receiver and said z-axis receiver further comprises an amplifier receiving a signal from said antenna; a filter filtering output from said amplifier; and a detector detecting a signal in said filtered output, an output of said detector being an input to said adder.

20. (Original) A proximity receiver as in claim 19, wherein each of said x-axis antenna, said y-axis antenna and said z-axis antenna is a wire wrapped around a ferrite rod.

21. (Original) A proximity receiver as in claim 20, further comprising a caution

indicator connected to a first output of said comparator; and a danger indicator connected to a second output of said comparator.

22. (Original) A proximity receiver as in claim 21, wherein said danger indicator is a motor, vibrations from said motor providing an indication of danger.

23. (Previously Presented) A system as in claim 1 further comprising a data link receiver receiving the indication of whether a person wearing said directional receiving means is in a hazardous area as an encoded signal indicating a safety condition; a decoder decoding said received encoded signal; and a plurality of indicators indicating said safety condition.

24. (Original) A data link receiver as in claim 23, wherein said plurality of indicators include a danger zone indicator, a caution indicator and a normal indicator.

25. (Original) A data link receiver as in claim 23, wherein said plurality of indicators are a red light, yellow light and green light.

26. (Original) A data link receiver as in claim 25, wherein said red light, green light and yellow light are LEDs.